

Copenhaver Receives ‘Best Paper’ Award

There has always been a strong emphasis at LeTourneau College on learning to use textbook theory to solve practical problems in the workplace. And current trends in engineering education are reinforcing that objective. Recently, James Copenhaver, associate professor of engineering, received the “Best Paper Award” at the annual meeting of the Gulf Southwest Section of the American Society of Engineering Education. His paper was entitled “Design by Spreadsheet—Statics and Dynamics.”

The award is noteworthy because it illustrates how LeTourneau faculty are involved in dealing with significant issues confronting engineering education. It also reveals a growing trend in engineering education to include more



James Copenhaver

design—the practical side of engineering—in the engineering curriculum.

“The emphasis on design is changing the way we teach engineering,” said Copenhaver. “Traditionally, students begin by

working through textbook

problems which are usually stated in terms of a single case with a specific solution. That approach continues to be followed, but now we are beginning to introduce the elements of design at an earlier stage,” Copenhaver said. “Our students are required to become actively involved in understanding and testing variables that go beyond what is included in the textbook.”

Copenhaver uses a computer spread sheet program to teach the elements of design. According to Dr. Richard Berry, chairman of the division of engineering, “Design is the process of dealing with open-end problems for which there are more than one possible

solution. It requires a student to make intelligent assumptions and develop sound judgment.”

During the senior year at LeTourneau, engineering students take two courses, sometimes referred to as ‘capstone’ design courses, in which they design, build and demonstrate a project of their choice.

Including the elements of design in the curriculum as early as the freshman year speeds the development of student problem-solving skills and provides more comprehensive preparation for the senior project.

The end result is a graduate who is better prepared to meet the challenges of business and industry, Berry said.



Dr. Haddon Robinson

Filling Station Ready for Use

A computer work station for student use has been added to the Margaret Estes Library, according to Dr. Russell Primrose, vice president for academic affairs and dean of the college. Primrose, who has spearheaded efforts to expand computer usage on the campus, said the new area will be tentatively known as the “Filling Station,” since students will be able to copy desired information on their own floppy disks and thus “fill up ” on information.

The station, located on the first floor, will initially consist of two pieces of equipment, with others to be added later.

Current items include a Hitachi optical disk reader/storage unit and an IBM-compatible personal computer with dual disk-drive. Primrose said that a laser printer, optical scanner and facsimile (fax) machine will be added as funds become available.

“Library research is often time-consuming since several libraries may have to be visited in order to obtain desired information,” Primrose said. “The Filling Station will allow us to conduct research by utilizing telecommunications techniques to access data bases, assemble information in character form, and generate both hard and soft copies instantaneously.” Dr. Paul Gray, director of library services, agreed. “This addition will bring us to a state-of-the-art level in terms of accessibility and retrieval of information.”

Engineering Renovation Completed

Renovation of three engineering facilities will be completed later this month, according to Earl Martin, director of general services. Included are the Engineering Center, Electrical-Mechanical Building and the Machine Tool Building.

The project, which has been underway since May 15, cost \$100,000, including \$60,000 for the renovation and \$40,000 for new engineering equipment.

“Because of the willingness of our alumni to fund this project, we have been able to create additional office and lab space in these three buildings and to improve their appearance by adding a fresh coat of paint, new carpet, tile, furniture and light fixtures, and built-in bookcases in every faculty office,” Martin said. New equipment purchases include 15 oscilloscopes, 20 digital multimeters, 12 sixteen-bit microprocessors, eight function

generators, five tri-power supplies and a spectrum analyzer.

“The modernizing of our engineering facilities will enhance the learning process and reinforce

the tradition of excellence that has

characterized the engineering division at LeTourneau since its inception,” said Dr. Richard Berry, division chairman.

Planned Giving Provides Peace of Mind

Wayne Archer, director of planned giving, receives many inquiries. One was from a dear lady in her early eighties who desired information about an annuity. So Wayne visited her. Or tried to. After two failed attempts to find her house, located in a remote part of West Texas where cactus and sand replace roads and signs, Wayne finally found the home nestled under a wind row of trees. It quickly became obvious during his visit that the woman, a single person who had used most of her life and nursing education experience to care for her aging

parents, desired encouragement, help and counsel from someone she could trust. . . someone with professional expertise as well as a mutual love for the Lord.

From this visit a growing relationship evolved. She has never visited the LeTourneau College campus, yet over the years she has purchased in excess of 20 annuities, amounting to thousands of dollars. In addition, she has created a charitable trust and made a will so that she has security through money management and the assurance that the Lord’s work, through her church, a missionary organization and LeTourneau College, will receive the greatest possible benefit at her death.

Most importantly, she is experiencing peace of mind for being a wise steward.

Her latest annuity was purchased on May 1 of this year. She received a 12.3 percent return on the investment. An immediate 59.4 percent of her gift may be reported as a deduction to the Internal Revenue Service, plus the fact that 68.9 percent of her income is tax free, therefore not reportable for tax purposes. This is just one example of how estate planning can benefit you and those you love. For more specific details geared to your individual needs and desires, write to Wayne Archer, Director of Planned Giving, P.O. Box 7333, Longview, TX 75607. Or call him at (214) 753-0231. You’ll be glad you did.

LeTourneau College summer missionaries and their locations are Marc Daggett, Europe; Charlie Eckholdt, England; April and Otto Habenger, Brazil; Brad Johnson, Israel; Bruce Marsh, Papua, New Guinea; Timothy Moore, Zaire; Norman Reese, England; Ruben Watson, New Guinea; Dan McDowell, Niger, Africa; David Huston, Kenya; Jon Kendall, England; Dan English, Egypt; Bobbe Barnes, Mexico and Gary Stabell, Mexico.



Georgie Wilcox was promoted to Director of Special Programs at LeTourneau College July 1.

Phase Two Underway in Estes Library



Don Kreider (A T'74), incoming president of the LeTourneau College Alumni Association

With the dedication of Heath-Hardwick Hall in April, Phase One of upgrading the liberal arts program was completed. Phase Two is now underway and should be completed this fall, according to Earl Martin, director of general services. Phase Two involves renovation of the second floor of the Margaret Estes Library, and is expected to cost approximately \$96,000. Together with the \$904,000 spent to construct Heath-Hardwick Hall, total cost of the project is one million dollars.

For many years the second floor of the library has been used for classroom and office space. But now that those classrooms and offices are housed in Heath-Hardwick, that space has been allocated for student use.

Several large areas have been set aside to provide space for group study sessions, and eventually 10 audio-visual learning centers will be in place for individual study and research.

In addition, the second floor will also house the Division of Special Programs and the Registrar's



Tom Hunt (EE 59)



Dave Luckert (B'81)

New officers will be installed Sept. 1 in the LeTourneau College Alumni Association, according to Dr. Norman Shick, director of alumni relations.
Beginning a term as president will be Don Kreider (A T'74) of Longview.
Serving as president-elect will be Tom Hunt (EE 59) of Longview and secretary will be Dave Luckert (B'81) of Henderson.
Executive Committee members-at-large will include Steve Biggs (ET'78), Sylvia Biggs (MA'79), Dick Travis (ET'85) and Royce Yoder (ET'64), all of Longview.

Phonathon Set for Late October

Through the years, the Harry T. Hardwick Scholarship Fund has been an important source of financial aid for many students. Therefore, as a tribute to Dr. Hardwick, an alumni phonathon will be conducted during the latter part of October, with all proceeds going to the Fund.

"It's been a long time since we've made the effort to telephone college alumni," said Dr. Norman Shick, director of alumni relations.

"And while a phonathon is an effective way to raise funds, especially for a worthwhile project like the Hardwick Scholarship Fund, it is equally effective in enabling us to keep in touch with alumni," he added.

"And that's very important to us."

According to Shick, an attempt will be made to contact every LeTourneau alumnus, inform them of current developments at the college, answer questions, update their personal information file, and invite them to make a contribution to the scholarship fund.

Alumni will receive a letter from President Austin during the first week of October with complete information about the phonathon.

Office.

A fresh coat of paint and new carpet have been added throughout the second floor, and the stairwell entrance is being modernized with new outside doors and new ceramic tile and wallpaper added.

New office furnishings, including couches, chairs and end tables have been ordered.

"The remodeling work will enhance the functional utility of the library," Martin said.

A \$9,000 challenge grant has been issued by alumnus Jerry Fritsch (MT'74), with the stipulation that the remainder of the \$96,000 must be raised by October 15 of this year.

"Jerry's willingness to invest in the future of his alma mater is an example to all of us," said Dr.

Norman Shick, director of alumni relations. "And I'm sure his leadership will encourage other alumni to support this worthwhile project."

According to Shick, a September mailing is scheduled to inform alumni of Phase Two and to solicit their support for the project.

"I am confident that our alumni will respond enthusiastically to this challenge," he said.



Left to right, John Wilkins, Dr. Norman Shick and Earl Martin, director of general services, survey a truckload of furniture recently donated to LeTourneau College by Educational Assistance, Ltd.

New Alumni Directory is Being Printed

The 1988-89 edition of the LeTourneau College Alumni Directory is scheduled for printing in August and will be mailed in September. Alumni should receive their copy during the month of October.

According to Dr. Norman Shick, director of alumni relations, more than 2,500 response cards were returned by alumni, including several lists containing addresses of 'lost' alumni.

"This is the best response we have ever had from alumni," said Shick.

The attractive 6 x 9" directory contains 326 pages, up from 304 in the previous edition. Included are listings for 4,936 alumni representing all 50 states in the U.S., plus the District of Columbia, Guam and 49 foreign nations. Texas leads the way with 1,149 entries, including 374 from Longview.

RESOLUTION

WHEREAS, Evelyn P. LeTourneau, a beloved co-founder of LeTourneau College in Longview, died on May 12, 1987, at the age of 86, and her death has deeply saddened the citizens of Gregg County; and

WHEREAS, Mrs. LeTourneau, who was always regarded affectionately as "Mom," was a native of Santa Rosa, California, where she was born on November 15, 1900; and

WHEREAS, In 1917, she married Robert G. LeTourneau, a successful inventor and manufacturer of earth-moving equipment and a pioneer in the development of off-shore oil drilling platforms; and

WHEREAS, In 1946, accompanied by his wife, Mr. LeTourneau came to Longview to build a manufacturing plant; that year also marked the beginning of LeTourneau Technical Institute, which was established by this devoted couple; and

WHEREAS, Through dedication and hard work their institute became a four-year college in 1961, now known as LeTourneau College, it has continued to provide outstanding mechanical, technical and engineering training to its students; and

WHEREAS, For many years, Mrs. LeTourneau wrote a column for the college's publication, NOW, which has a worldwide circulation; and

WHEREAS, Within the community, she was a woman of great public service who used her talents and resources to benefit others; her endeavors included the ranches that she established for disadvantaged boys in Longview and Lindale, Texas, and in Little Rock, Arkansas; and

WHEREAS, She was honored as Texas Mother of the Year; she also was recognized nationally as "Mother of the Year" by the American Mother's Committee in 1969, and served as president of that organization in 1971; and

WHEREAS, Mrs. LeTourneau's inspiring life story appeared in print when author Norman R. Rohrer published *The Remarkable Story of Mom LeTourneau*; and

WHEREAS, Her warm-hearted and gracious personality brought much happiness to those around her, as did the loving friendship that she shared with so many people; now, therefore, be it

RESOLVED, That the House of Representatives of the 70th Legislature of the State of Texas pay tribute to the life of Evelyn P. "Mom" LeTourneau and extend sympathy to the members of her family: to her sons, Richard H. LeTourneau and Ben W. LeTourneau of Longview and Roy S. LeTourneau of Rockwall; to her daughter, Louise Dick of Longview; to her sister, Edna Farnham of San Leandro, California; to her brothers, Robert Peterson of San Leandro, California and Howard Peterson of Alamo, California; and to her 19 grandchildren and 13 great-grandchildren; and, be it further

RESOLVED, That official copies of this resolution be prepared for the members of her family and that when the Texas House of Representatives adjourns this day, it do so in memory of Mrs. LeTourneau.

H.R. No. 650 Rep. Jerry Yost

Alumni News

Class of '60

Jonathan G. Tobelmann has been promoted to senior vice president-operations at Technology Dynamics, Inc., Woodinville, Wash. TDI is a subsidiary of Corning Glass Works, Corning, N.Y. Tobelmann joined Corning in 1965.

Class of '61

Charles and Dorcie Ricker have been accepted as appointees to Kenya by the board of Gospel Furthering Fellowship, Lebanon, Pa. The Rickers are tentatively scheduled to depart for Kenya next summer. Their home address is 3351 Eatonon Road, Madison, GA 30650. They are in need of support funds and request prayers on their behalf.

Class of '66

Tom and Carolyn Pace are missionaries in Peru. This summer they have been showing a series of 25 programs over the government television network. Each program is 30 minutes long. They are also seeking to buy a corner lot in the La Molina district of Lima in order to build a church building. They are accepting donations to help with these projects. Their address is Casilla 50, La Molina, Lima 12, Peru.

Class of '68

Larry and Virginia McGuire are serving the Lord in Swaziland. They report that the new antenna for their 100,000 watt transmitter has been performing well. They have received permission from the government to install a 500,000 watt shortwave transmitter and are awaiting funds to begin the project. Their address is Trans World Radio, Box 64—Manzini, Swaziland, Africa.

Class of '71

Dan and Nonie Larsen have been accepted as staff candidates with *Mission Ready*, a training center for preparing missionaries to live in remote areas of the world. Their new address is Mission Ready, Box 1148, Robbinsville, NC 28771. Their son, Robert, and daughter-in-law, Elaine, had a daughter, Grace Carey, March 6, 1987. Les and Sylvia, their oldest son and his wife, will be joining them in Robbinsville, along with Nonie's mother. They ask for the prayers of their many friends as they begin this new ministry.

Class of '72

Glenn Erickson is an announcer and commentator on Christian radio station KRCV in Reno, Nev. The station began operations in May of this year and is the only religious station in Reno.

Class of '73

Kenneth E. and Dorcie Bailey are working for Le Tourneau Sales & Service, Inc. in Cary, N.C. Ken is regional manager of a territory stretching from South Carolina to Maine and Dorcie works in the Raleigh office. Both are active in local church work. Their children are Esther, 11 and Cliff, six. Their address is 1101 Winwood Dr., Cary, NC 27511.

Class of '74

A daughter, Katie June Louise, was adopted by Paul R. and Beverly Robe May 10, 1987 to celebrate their seventh wedding anniversary and Mother's Day. Katie June is two years, nine months old. The Robes live at 512 Elm Street, Stown, Pa. 19464.

Class of '78

U.S. Navy Ensign Jonathan C. Fry was recently designated a naval aviator after completing 18 months of flight training.

U.S. Navy Lt. Steven H. Reas (BU/AT) and Brenda Elizabeth Casey were married in Dowling Park, Fla. May 9, 1987. Brenda spent most of her pre-college years in India as a missionary kid and is a nurse. Steve has just started a 30-month tour of duty with the Air Operations Dept., Naval Air Station, Guantanamo Bay, Cuba. He flies the UH-1N (Bell 212) helicopter and UC-12B (Beech Super King Air) in support of base operations and logistic missions. There are 17.4 miles of barbed wire fences and 30,000 land mines surrounding the base, and the only way on or off the base is by plane or ship. Steve reports that the Lord is working in the lives of many people on the base and that many have come to know Christ as their Savior while stationed in Corpus Christi. Steve was able to attend the inauguration ceremonies for President Austin and says, "I am very happy to see the hope and happy outlook of LeTourneau College." Steve's address is Box 35B, FPO NY 09508-0006.

Class of '79

A son, Raymond W. Deck, III was born to Raymond and Beverly Deck, II Aug. 11, 1986.

Class of '80

A son, Stephen LeCallan, was born to Mark and Beki Dingledein April 12, 1987. He weighed eight pounds, two ounces. A son, Justin Campbell, was born to Steven and Caren Ross June 19, 1987. He weighed eight pounds, 14 ounces. Their address is 1489 Morgantown, Wichita, KS 67212.

Tom and Terry Van Gorkom are on furlough in the United States this summer and fall and will be returning to Colombia Jan. 25, 1988 to continue their work there. Until then, you can write the Gorkoms c/o the JAARS Center, Waxhaw, NC 28173.

Class of '82

Brook Forrest (RE) and David J. Bowser (CST'86) were married April 25, 1987. David is employed at E-Systems in Rockwall. Their address is 1410 S. Goliad—08, Rockwall, TX 75087.

A son, Joshua Kevin Thomas, was born to Kevin (ET) and Sheri Robery May 11, 1987. He was seven pounds, six ounces and 20.5 inches long.

David and Margaret LeVaire are studying Swahili and staying busy with children and their work for Helimission. Several building projects were underway this summer. You may write them at Box 53435 (Rwangubua), Nairobi, Kenya.

Jim and Nancy Walter were transferred from Mozambique to Khartoum, Sudan June 1. They report that the church in Mozambique is growing despite war and famine. Jim is a pilot-mechanic with Air Serv and Nancy has a job with the United Nations Development Program. Their address is P.O. Box 20 G CPO, New York, NY 10017.

Class of '83

J.P. Greg Laing (DT) is a student at Houghton College in Ontario, Canada. This summer he and 18 other students and faculty members from Houghton traveled to China for a month of language study and sharing the gospel. He also visited Tibet for a few days and is attending a month-long seminar at the U.S. Center for World Missions entitled "Perspectives on the World Christian Movement." This fall Greg begins his final semester at Houghton.

A daughter, Melanie Dawn, was born to Bob and Char Blaschke Jan. 29, 1987. She was eight pounds, two ounces and 23 inches.

Charles A. Ganger (EE) was married to Shellyn Renken Aug. 16, 1986 in Warren, N.J. James Logothetis (EE'82) and Tim Ruwe (ET'86) participated in the ceremony. The Gangers reside at 1100 Parsippany Blvd.—42, Parsippany, NJ 07054.

Class of '84

Lynn Showalter (WT/MT) and Jeanette Marie Baer were married July 25, 1987 in Newport News, Va.

A daughter, Heather LeAnne, was born to Daniel and Beverly Near May 28, 1987. Their address is 2634 Rose Marie Ct., Wichita, KS 67216. Dan is employed by the Boeing Corp.

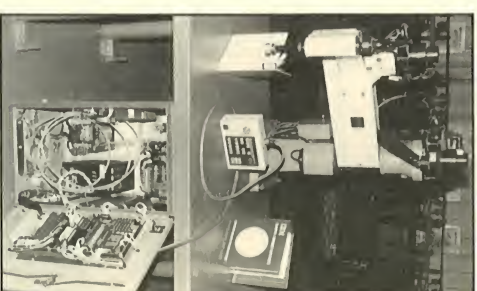
Larry G. Heintz is a pilot with Helimission in Ethiopia. His address is P.O. Box 100676, ADDIS ABABA, Ethiopia.

Class of '85

U.S. Navy Ensign David C. Mann was recently designated a naval flight officer after completing the 15-week Overwater Jet Navigation phase of Training Squadron Eighty-Six in Pensacola, Fla. A son, Andrew Jonathan, was born to Russell and Rhonda Davis April 20, 1987. He was 10 pounds, seven ounces and 22 inches long.

Class of '86

Eldon Keith Davis (EE) and Kathryn Janet Harlow were married June 27, 1987 in Hallsville, Tex.



An IBM 7540 Robot was recently donated to LeTourneau College by Delco Electronics, Kokomo, Ind. Alumnus John Earhart (MT'69), a Delco employee, was instrumental in arranging the donation. The programmable arm has applications in electrical, mechanical and welding engineering.

Does your company need special training seminars so that employees may learn the latest technology? Special Programs can set up sessions at your place of business at a special group rate. From computer software to high technology, business communication or math skills, we will design a training program that is right for you. Call or write: Special Programs, R.O. Box 7001 LeTourneau College, Longview, TX 75607; (214) 753-0231.



Left to right, Robert, Elaine, Nonie, Dan, Sylvia and Lester Larsen.

Yellowjackets Nab Local Baseball Talent

Head Baseball Coach Bob Marsh's Fighting Yellowjackets will include some local talent for the 1987-88 campaign, including East Texas standouts Mid Johnson, Dan Robey and James Solomon.

"We're glad to have these young men as part of our team this year," Marsh said. "They should fit into our plans in a big way, and we're especially glad to have players from our own area."

Marsh said he is optimistic that the Yellowjackets can improve last year's 20-15 record. The newcomers will join nine returning lettermen who will seek a fourth consecutive berth in the National Christian College Athletic Association national tournament.

Johnson batted more than .400 this spring for Gary High School and will see action at several positions. "Mid is a fierce competitor and will help us offensively as well as at first base and relief pitching," Marsh said.

"Mid is an exceptional student [1987 Presidential Scholarship recipient] and will also bolster our basketball program," Marsh added. Johnson plans to major in pre-medicine.

Robey is a 1985 Longview High School graduate who was an All District performer for Coach Bobby Don Hill. He hit .410 while patrolling the outfield and is the kind of



James Solomon



Mid Johnson, left, and Dan Robey have signed letters-of-intent to play for Head Baseball Coach Dave Marsh this fall.

aggressive player that brings smiles to a coach's face.

"Danny runs well and we plan to turn him loose on the bases," Marsh said. "He can intimidate defenses, place pressure on opposing pitchers, and cover a lot of ground in the outfield."

Robey plans to major in physical education. Solomon, a 1987 Pine Tree High graduate and recipient of several academic scholarships, including the R.B. Williams Award, Pine Tree Booster Scholarship and East Texas Area Honor Scholarship, played a key role in the Pirates' success this past spring and was among the top 15 hitters among 5A schools in Texas.

"James can hit in his sleep," said Marsh. "He

also runs well and can play any position in the infield or outfield. Consistency and a positive attitude are his trademarks and we really look forward to turning him loose in a 'Jacket uniform next spring."

Solomon plans to major in pre-medicine. Also joining the 'Jacket attack this fall is junior college transfer Aaron James of Albany, Ore. James posted a 2-0 record last year as a freshman for Linn Benton Community College, which won its league championship. "Aaron has super tools and gives us another outstanding left-handed pitcher," Marsh said. "He is an outstanding athlete and will also push people for a starting role in the outfield."

James plans to major in engineering.

'Community involvement very important,' says Bradley

Community service and police work have always been important to LeTourneau alumnus and admissions counselor David Bradley (ET'84), and since May he has been able to fulfill both interests as a member of the Longview Police Reserves.

The Reserves, organized approximately five years ago, currently have seven members, all of whom contribute a minimum of 20 hours per month to the Police Department.

"They've got the authority by law to do anything a regular officer does except receive pay," Longview Police Chief Neil McKinney said.

According to McKinney, the Reserves have provided traffic control during parades and fun runs as well as assisted in DWI enforcement programs, security patrol and special surveillance.

"They do it all," he said.

Since 1983 there have been 93 Reserve applicants but only 17 of them were successful, said John Murphy, Reserves coordinator.

"It's a volunteer program, but they have to meet the same requirements of regular officers with the exception of number of hours [worked]," Murphy said. "They're certified."

Steps in the certification process include being at least 21 years old, attending an information session, completing an application, passing a background and psychiatric check, passing an oral review board evaluation, passing an interview with the police chief, and completing a 10-week Reserve school at the East Texas Police Academy.

"It's hard to get in," Murphy said. "We want



LeTourneau Admissions Counselor Dave Bradley, a member of the Longview Police Reserves, has his badge pinned on by Reserve Coordinator John Murphy. Looking on is Bruce Collier. (Photo by Jerrey Roberts of the Longview News-Journal.)

quality instead of quantity."

Bradley, 24, is one of two LeTourneau graduates serving with the Reserves. The other is Gary Martin (W'T'81), a research engineer with Babcock & Wilcox in Paris, Texas.

"Gary was in the Reserves while I was a student," Bradley said. "He encouraged me to get involved."

Actually, Dave didn't need much encouragement. "Law enforcement has always intrigued me," he said. "When I was small and people asked me what I wanted to be when I grew up, I always said 'policeman.'"

And while a student at LeTourneau, Dave worked one semester as a volunteer with a police lab technician.

"My parents and other family members have always been involved in community affairs," he said, "and I'm doing something I enjoy. Having five brothers keeps me from becoming easily upset and makes me a lot more tolerant of people who are rude or insulting.

It's been extremely educational," Bradley continued. "You see the negative side of life and you rarely get thanked. But being a Christian has equipped me to deal with people and situations," he said.

Bradley averages between 24-30 hours per month of Reserve duty, and fits it into his busy schedule along with full-time responsibilities as an admissions counselor and husband. He is married to the former Karen Stoner (BS'86) and has worked for LeTourneau since January, 1985.

"We [Reserves] save the city [of Longview] \$3.5-50,000 a year [in police salaries]," he said. Police Lt. M.L. Satterwhite agreed. "The Reserves have had a significant effect economically as well as manpower-wise," he said. "They assist us a lot on the weekends when our workload is heaviest and also with special events. Without them, the city would be forced to pay a lot of overtime."

But for Bradley, it's all part of an approach to life. "As Christians, we are called upon to serve," he said. "And this is one way that I can do that."



A youngster practices bouncing a soccer ball with his head while others wait their turn at the LeTourneau College Soccer Camp held July 20-24.

LeTourneau College

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